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Art Unit: 2811 Fax: (703) 872-9306

From: Winston Hsu, Registration No. 41,526

Serial No.: 10/707,805

Attorney Docket No.: NTCP0027USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 7 pages (including cover page)

Winston Hsu 06/24/2005

NTCP0027USA0_D1_1

PTO/SB/97 (09-04) Approved for use through 07/31/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8 I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office 06/24/2005 **Date** Signature Calista Lin Typed or printed name of person signing Certificate Voice Mail: 302-729-1562 Registration Number, if applicable Telephone Number Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper. Application No: 10/707,805 (1) Transmittal Form 1 PAGE (2) Fee Transmittal 1 PAGE (3) Information Disclosure Statement 3 PAGES

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

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Under the Pa	aperwork F	Reduction Act of 199	5. no person	is are required to respond to a Application Number	collection of i	aformation unl	ass it displays a valid OMB control number.
					10/70	07,805	
TRANSMITTAL			Filing Date	01/13	01/13/2004		
	FC	RM		First Named Inventor	Yi-Na	n Chen	
				Art Unit	2811		
(to be used for	all corres	pondence after initial	i filing)	Examiner Name	GEB	REMARI	AM, SAMUEL A
Total Number o	l Pages in	This Submission	5	Attorney Docket Number		P0027US	
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Signature			Wenter	1 4001			
Printed name			Winston	Hsu			
Date 06/24/2005				Reg: No.	Reg: No. 41,526		
I hereby certify that	at this co			ATE OF TRANSMIS			United States Postal Service with
sufficient postage the date shown be	as first c	lass mail in an env	relope addi	ressed to: Commissioner	for Patents, I	P.O. Box 145	0, Alexandria, VA 22313-1450 on
Signature				•			
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This collection of Information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.				Complete if Known				
Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).				Application N	Application Number 10/707,805			
FEE TRANSMITTAL For FY 2005			Filing Date	C	01/13/2004			
			First Named	Inventor Y	Yi-Nan Chen			
Applicant claims small entity status. See 37 CFR 1.27				Examiner Na	ime G	GEBREMARIAM, SAMUEL A		
				Art Unit		811		
TOTAL AMOUN	OF PATMENT	(\$) 180.00		Attorney Doc	ket No. N	ITCP0027US	A	
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information and aut	nonzation on PTO-	2038.						
FEE CALCULA					····			
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Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
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Non-English Specification, \$130 fee (no small entity discount)								
Other: submission of Information Disclosure Statement 180							•	
SUBMITTED BY								二
Ignature	1011	ton the		Registration No.	41.526	Telephon	ne 302-729-1562	_

(Attorney/Agent) Winston Hsu Name (Print/Type) Date 06/24/2005

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO	Complete if Known				
	Application Number	10/707,805			
INFORMATION DISCLOSURE	Filing Date	01/13/2004 •			
	First Named Inventor	Yi-Nan Chen			
STATEMENT BY APPLICANT	Art Unit	2811 .			
(Use as many sheets as necessary)	Examiner Name	GERREMARIAM SAMILEL A			

Attorney Docket Number

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Total Columnia (1997)
Initials*	Cite No.1	Number-Kind Code ^{2 (F known)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Refevant Passages or Relevant Figures Appear
	1	^{US-} 5,770,465	1998/06/23	MacDonald et al.	Figs.3A-3H
	2	^{US-} 5,989,978	1999/11/23	Igor V. Peidous	
	3	^{US-} 6,046,487	2000/04/04	Benedict et al.	
	4	US- 6,146,974 US-	2000/11/14	Liu et al.	Figs.3A-3C. Col. 3, lines 39-47
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Τ			
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Examiner			Date		
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precade the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yinan Chen, Ping Hsu, Li-Han Lu

5 Appl. No.: 10/707,805

Filing Date: 01/13/2004

Examiner: GEBREMARIAM, SAMUEL A

Art Unit: 2811

Docket No.: NTCP0027USA

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Title: ISOLATION STRUCTURE FOR TRENCH CAPACITORS AND

FABRICATION METHOD THEREOF

To: Commissioner for Patents

15 P.O. BOX 1450

Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37

CFR §1.56

Dear Sir,

This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR \$1.56. The applicant wishes to make of record the document(s) listed on the accompanying form PTO/SB/08.

Since this IDS is filed after the mailing date of final Office action but before payment of the issue fee,

06/27/2005 JBALINAN 00000049 503105 10707805

01 FC:1806 180.00 DA

consideration of the information disclosure statement is hereby requested according to 37 CFR \$1.97(d).

That each item of information contained in the information disclosure statement was first cited in an Office communication mailed on April 5, 2005 for the US continuing application number 10/904.593, which are no more than three

application number 10/904,593, which are no more than three months prior to the filing of the information disclosure statement.

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

20 Respectfully submitted,

Wunten Hars

Date: June 24, 2005

Winston Hsu, Patent Agent No. 41,526

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